DEGERtraker 5000NT 7000NT

date 02/07

Maximum solar yield...
can be achieved with the DEGER**traker** tracking system. By using the DEGER**traker** tracking system, you are truly acknowledging the signs of our times: not only are you protecting our environment and nature but you are increasing your yield and thus achieving amortisation sooner.

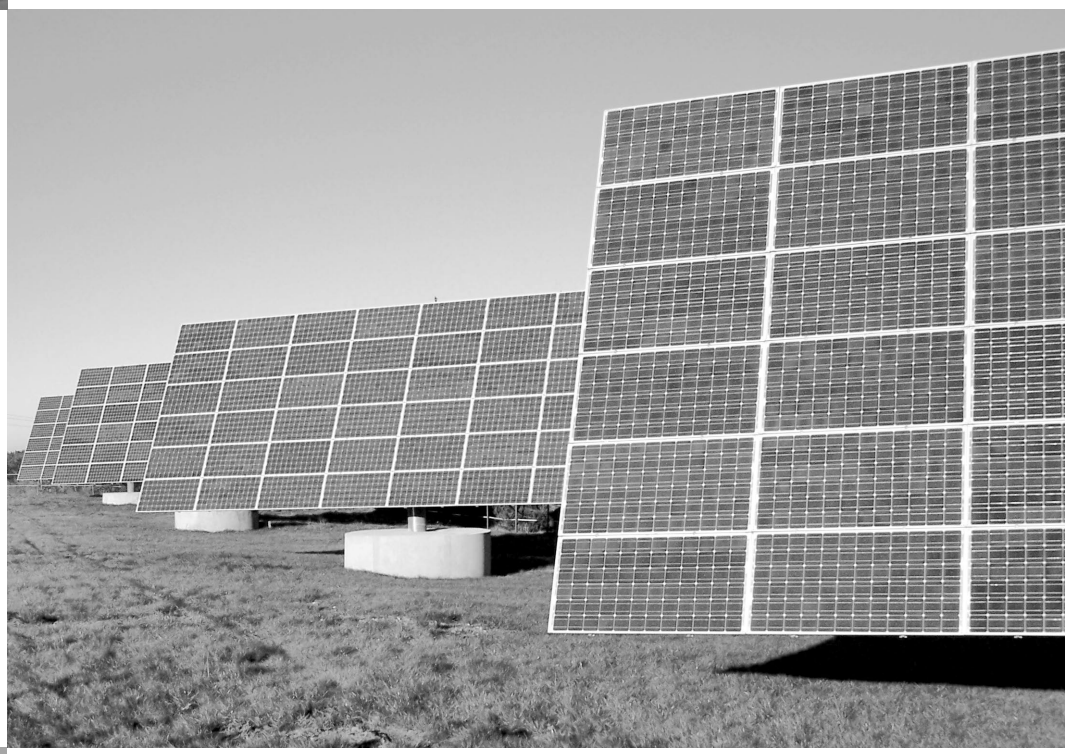
Maintenance-free. Long-lived. Recyclable.
The systems designed to these exacting parameters are mass-produced in an ISO 9001-certified factory under environmentally sound conditions. DEGER**traker** systems are truly 100% recyclable. Compared with rigid systems, the amount of electronic scrap after useful life is 40% lower!

Quick installation.
Pre-assembled components and detailed instructions allow installation within less than two hours (after the mast has been erected).

A technology to rely on.
The fact that the patent-protected control system and the utility model-protected mechanical system were awarded the inventor's prize of the federal state of Baden-Württemberg in 2000 and have since been further developed. This shows that the DEGER**traker** meets the demands of both experts and investors. The proven static design of the DEGER**traker** is based on DIN 1055-4 (8.86) and DIN 1056 (10.84) for installation up to 8m (wind load zone I).

Added yield 35-45%

Only possible with the patented system control DEGERconecter.



Tracking system for free-standing applications, on buildings and for fitting on different mast heights

More sun for the money

Efficiency...
...using the example of a 100 kWp system in a region where rigid systems yield around 950kWh / kWp per year.

Rigid system yield in 20 yrs:	1,900,000 kWh at 40 ct/kWh	=	760,000
DEGER**traker** yield in 20 yrs:	2,660,000 kWh at 40 ct/kWh	=	1,064,000
		Profit	**304,000**
	Higher purchase price of DEGER**traker** vs. rigid approx.		60,000
		End profit	**244,000**

... greater yield – double the return

Available any time:
From your solar equipment retailer.

DEGERenergie
Tracking Systems

More sun for the money

DEGERtraker

	5000NT	7000NT
Art.No.:	28 11 500	28 11 700

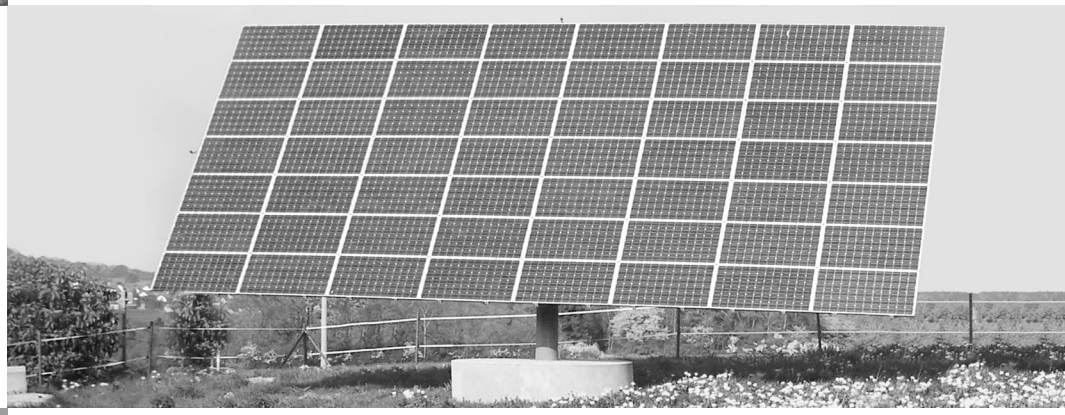
date 02/07

	5000NT	7000NT
For solar energy capacity	4.000...6.000 Wp	6.000...9.000 Wp
Module area up to	40 m²	60 m²
Burden	10.000 kg	15.000 kg
Rotation angle east - west	360° with adjustable limit switches	
Elevation inclination angle	10...90°	
Control unit	DEGER**conecter**	
Energy converter	II or V	
east - west drive	drive integrated in the power head	
elevation drive	1.000 mm stroke path	1.100 mm stroke path
Internal power consumption: control mode	0,2 Watt	
with operating drives	7 Watt	9 Watt
Power consumption per year	3...4 kWh	3,5...4,5 kWh
Mast height	3,3...5,5 m	3,3...5,5 m
Weight (excluding mast)	550 kg	1.090 kg
Maintenance	maintenance-free	
Geographic region	25°... 90° / optional equator to 90th degree of latitude	

Dual-axis, active tracking systems to suit most solar modules.

Scope of delivery

Complete dual-axis tracking system, mast, aluminium solar module carrier system to fit the respective module type, DEGER**conecter** control electronics with energy converter for extremely economical operation, foundation plan, construction plan.



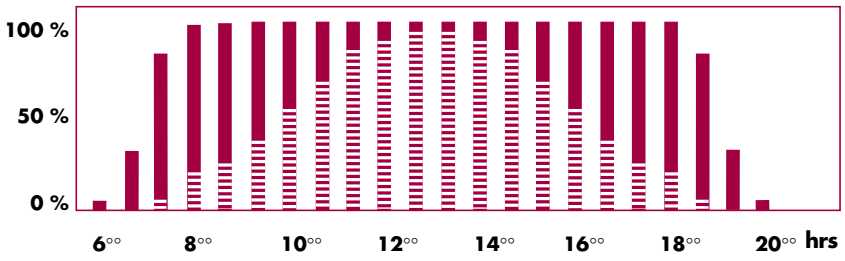
The difference lies in the technology.

Functioning

The DEGER**conecter** control unit detects the brightest spot in the sky and adjusts the module surface's position to face it. The DEGER**traker's** mechanical system allows the accurate adjustment of the module surface to the sun all year round.

This technology also works in cloudy, rainy or foggy conditions. If, for instance, a day starts off sunny with clouds moving in from the west in the afternoon, the module surface will then move back slightly towards the east. On a completely overcast day, the module surface is adjusted to a horizontal position, or to face the point of the strongest irradiation. This allows to make the most out of adverse weather conditions.

Performance diagramm at the example of a sunny summer's day — fixedly installed — DEGERtraker



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Subject to technical changes for future improvements.

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